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OM nucleic - nucleic search, using sw model

Run on: June 18, 2003, 02:50:17 ; Search time 1339 Seconds
(without alignments)

1143.037 Million cell updates/sec

Title: US-09-807-933B-13

Perfect score: 1043

Sequence: 1 ggatcctgggacaagatgaa.....cgcaagtaaacgagatcc 1043

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1042519 seqs, 733713590 residues

Total number of hits satisfying chosen parameters: 2085038

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA:*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
- 10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
- 12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	286.4	27.5	1060	10	US-09-735-787-1
2	274.8	26.3	927	9	US-10-007-521-5
3	273.4	26.2	894	9	US-10-007-521-3
4	273.4	26.2	960	9	US-10-007-521-1
5	260.2	24.9	1174	9	US-10-007-521-11
6	247.8	23.8	1261	9	US-09-261-329-23
7	246.2	23.6	1132	9	US-10-007-521-21
8	240.2	23.0	913	9	US-10-007-521-13
9	237.8	22.8	885	9	US-10-007-521-23
10	235.4	22.6	1473	10	US-09-735-787-3
11	231.8	22.2	1423	9	US-10-007-521-9
12	214.6	20.6	1154	9	US-10-007-521-7
13	176.8	17.0	936	7	US-08-841-636A-30
14	141	13.5	425	9	US-10-007-521-25
15	130.6	12.5	808	9	US-10-007-521-15
16	129.8	12.4	1031	9	US-10-007-521-19
17	129.8	12.4	1048	9	US-10-007-521-17
18	85.4	8.2	171	9	US-10-007-521-51
19	83.8	8.0	165	9	US-10-007-521-77

Sequence 57, Appl
Sequence 31, Appl
Sequence 20241, A
Sequence 3471, Ap
Sequence 31, Appl
Sequence 14, Appl
Sequence 37, Appl
Sequence 19241, A
Sequence 2513, Ap
Sequence 39, Appl
Sequence 1, Appl
Sequence 41, Appl
Sequence 4, Appl
Sequence 71, Appl
Sequence 33, Appl
Sequence 20699, A
Sequence 69, Appl
Sequence 10, Appl
Sequence 37, Appl
Sequence 332, App
Sequence 332, App
Sequence 3, Appl
Sequence 4, Appl
Sequence 3699, Ap
Sequence 7, Appl

147 9 US-10-007-521-57
7.4 225 9 US-10-007-521-31
7.0 1635 10 US-09-864-761-20241
7.0 1973 10 US-09-864-761-3471
6.7 3331 9 US-09-373-658-31
6.5 8705 9 US-10-291-230-14
6.5 3015 9 US-09-373-658-37
6.2 1075 10 US-09-864-761-19241
6.2 1403 10 US-09-864-761-2513
6.2 153 9 US-10-007-521-39
6.1 7332 10 US-09-944-849-1
6.1 7673 10 US-09-815-925-1
6.0 180 9 US-10-007-521-41
5.7 2712 10 US-09-748-033-4
5.5 159 9 US-10-007-521-71
5.5 177 9 US-10-007-521-33
5.3 446 10 US-09-864-761-20699
5.3 180 9 US-10-007-521-69
5.3 2220 10 US-09-981-900B-10
5.3 177 9 US-10-007-521-37
5.3 520 9 US-10-184-644-332
5.3 520 9 US-10-184-634-332
5.2 1494 9 US-10-310-292-3
5.2 1852 10 US-09-969-852-4
5.2 6483 10 US-09-880-107-3699
5.1 390 10 US-09-790-399-7

ALIGNMENTS

RESULT 1

US-09-735-787-1

; Sequence 1, Application US/09735787

; Patent No. US20010036910A1

; GENERAL INFORMATION:

; APPLICANT: Rasmussen, Grethe

; Mikkelson, Jan Moller

; Schulein, Martin

; Patkar, Shankant A.

; Hagen, Fred

; TITLE OF INVENTION: A Cellulase Preparation Comprising an

; Endoglucanase Enzyme

; NUMBER OF SEQUENCES: 33

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: No. US20010036910A1o No. US20010036910A1disk of No. US20010036

; STREET: 405 Lexington Avenue, 64th Floor

; CITY: New York

; STATE: New York

; COUNTRY: United States of America

; ZIP: 10174-6401

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.30

; CURRENT APPLICATION DATA: US/09/735,787

; APPLICATION NUMBER: 13-Dec-2000

; FILING DATE: 13-Dec-2000

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 09/189,028

; FILING DATE: <Unknown>

; ATTORNEY/AGENT INFORMATION:

; NAME: Lambiris, Elias J.

; REGISTRATION NUMBER: 33,728

; REFERENCE/DOCKET NUMBER: 3469,214-US

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 212-867-0123

; TELEFAX: 212-878-9655

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: Humicola insolens

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;
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; STRAIN: DSM 1800
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 73..924
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: 10..72
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 10..924
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-735-787-1
Query Match 27.5%; Score 286.4; DB 10; Length 1060;
Best Local Similarity 70.7%; Pred. No. 3.7e-63;
Matches 461; Conservative 0; Mismatches 166; Indels 25; Gaps 5;
QY 381 CAGCGCTGTGAGCGGTGGCGCTAGCGGC-AACGGCGTCACTACCGCTACTGGGACTGCT 439
Db 47 CCGCCCTGCGCGTGTGGCGCTTGGCGCTGATGGCAGGTCACCCGCTACTGGGACTGCT 106
QY 440 GCAAGCTTCGTCTGCTGCGCGCGGCAAGCTCAAGCTCAAGCTCGCTGTCAAGCTCTGCA 499
Db 107 GCAAGCTTCGTGCGGTGGCGCAAGAGAGCTCCGTGAACAGAGCTGTCTTCTGCA 166
QY 500 ACAAGGACGGCGTCAACCGCTTTAGCGACTTCAACGCCCAAGTCCGGCTGCAA---CGGCG 556
Db 167 AC---GCCAATTCACAGCGTATCAGGACTTCAGAGCTTCAGAGCCAAAGTCCGGCTGGAGCGGGCG 223
QY 557 GCAACTCTACATGTGCAAGACAAACAGCATGGCTGTCAAGCAACCTTGTCTTACG 616
Db 224 GTGTGCGCTACTGTGCGCGCGACAGACCCCATGGGCTGTGAACAGAGACTTCGCGCTCG 283
QY 617 GTTTCGCTGCGGTGCCATTTAGCGCGGTGGCGAGAGCCGCTGTGTCTCTCTGCTTCG 676
Db 284 GTTTCGCTGCACCTCTATTTCGCGGACAGCAATGAGCGGGCTGTGTCTGCGCTGTACG 343
QY 677 AGTCACTTCACTTCAACAGAGCTTGTCTGGCAAGAGATGTCTGCTCAGGTCAACACA 736
Db 344 AGTCACTTCACTTCACTTGTCTGGCAAGAGATGTCTGCTCAGTCCAGTCCACCA 403
QY 737 CTGGCGGTGACCTTGGCGCTCGACCGGTGCCCACTTCGATCTCCAGATCCCGCGGGCG 796
Db 404 CTGGCGGTGATCTTGGCGAGCAA-----CCACTTCGATCTCAACATCCCGCGGGCG 454
QY 797 GCGTCGCGCATCTTCAACGGATGTCTGCTCCAGTGGGGCGCTGCCAAGAGCGGTGGGGCT 856
Db 455 GCGTCGCGCATCTTCAACGGATGTCTGCTCCAGTTCGGCGGTCTGCCC-----GGCC 505
QY 857 CGGCTACGGCGGCGATCAGTTCGCCAGAGAGTCTGCTGCTCTCCCGAGCGGCTTCAGG 916
Db 506 AGCGTACGGCGGCGATCTCGTTCGCCAAGAGTCCGATCGGTTTCCCGAGCGGCTTCAAGC 565
QY 917 CCGGCTCAAGTGGCGCTTCAACTGTTTCAAGAGCGCGACACCCGCTCCATGACCTACA 976
Db 566 CCGGCTGCTACTGGCGCTTGCATGTTTCAAGAGCGCGACATCCGAGGTTTCACTTCC 625
QY 977 AGAGGTCACTGCTCCCAAGAGATCACCGCTTAAGACCGGATGCTCGCGCAA 1028
Db 626 GTCAGGTCCAGTGCACCGCGAGTCTGCTGCTCGCACCGGATGCGCGCAA 677

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RESULT 2

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US-10-007-521-5
; Sequence 5, Application US/10007521
; Publication No. US20030054539A1
; GENERAL INFORMATION:

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; APPLICANT: Schulein, Martin
; Andersen, Lene N.
; Lassen, Soren F.
; Kauppinen, Markus S.
; Lange, Lene
; Nielsen, Ruby I.
; Ihara, Michiko
; Takagi, Shinobu
; TITLE OF INVENTION: No. US20030054539A1e1 Endoglucanases
; NUMBER OF SEQUENCES: 109
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. US20030054539A1o No. US20030054539A1disk of No. US20030054-
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/007,521
; FILING DATE: 10-Dec-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/651,136
; FILING DATE: 21-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambiris, Elias J.
; REGISTRATION NUMBER: 33,728
; REFERENCE/DOCKET NUMBER: 4366.200-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 927 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..924
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-007-521-5

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Query Match 26.3%; Score 274.8; DB 9; Length 927;
Best Local Similarity 68.5%; Pred. No. 3.1e-60;
Matches 429; Conservative 0; Mismatches 182; Indels 15; Gaps 3;
QY 406 GGCAACGGGTCTACTACCGCTACTGGGACTGCTGCAAGGCTTCGTGCTCGTGGCCCGGC 465
Db 64 GGCATCGGCAGACGACCGGCTACTGGGACTGCTGCAAGCCGAGCTGGGCTGGCCCGGC 123
QY 466 AAGGCTAAGCTCAGCTCGGCTGTCAAGTCTGCAACAAAGGACGGGCTCAAGCTCTTAGC 525
Db 124 AAGGG---CCCTCTGCTCGGCTGCGGCTGCGAAGAACGACAAACCGGCTCAACGAC 180
QY 526 GACTCCAAAGCCAGTCCGGCTGCAAC---GGCGGCACTCTTACATGTGCAACGACAAC 582
Db 181 GCGGGTCCACCGGCTCGGCTCGGAGCGGGCGGCGGAGCGCTTACATGTCTCTCCAG 240
QY 583 CAGCCATGGGCTGTCAACGACAACTTGTCTTACGGTTTCGCTCGGCTGCCATTTAGCGGC 642
Db 241 AGCCCTTGGGCTGTACGAGCAGAGTGTCTACGGCTGGGCGGCGCTCAAGCTCGCGGC 300
QY 643 GGTGGGAGAGCGGCTGGTGTCTCTCTGCTTGGAGCTCACCTTCACTCCACCAGGTT 702
Db 301 AGTCCGAGTCGAGTGGTGTCTCGGCTGTCTACGAGCTGACCTTCAACAGGCGGCGGTC 360

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QY 703 GCTGGCAAGAGATGCTCCAGGTCAACACACATGGGGGTGACCTTGGCAGCTCGACC 762
Db 361 GCGGGCAAGAGATGATTTGTCAGGCGACCAACACCGGTGGCGACTGGG-----C 411
QY 763 GGTGCCCACTTCGATCTCCAGATGCCCGGGGGGGGTGGGCATCTTCAACGAGATCTCG 822
Db 412 GACAACCACTTTGACCTGGCCATCCCGGGGTGGGGGTGTCGGTATTTTCAACGCGCTGCACC 471
QY 823 TCCCACTGGGGGCTCCCAACGAGCGGTGGGGTCCGGTACGGCGGCATCAGCTCGGCC 882
Db 472 GACCACTGACGGGCTCCCGCAAGCGGTGGGGGACCGCTACCGCGGCATCCATTCCAAG 531
QY 883 AGGAGCTGTCTGCTCCCTCCCGAGCGGCTCCAGCGGGGTGCAAGTGGGGCTTCAACTGG 942
Db 532 GAAGAGTGGCATCTTCCCGAGGCGCTCAACCGCGGTGCAACTGGCGCTTCGACTGG 591
QY 943 TTCAAGAGCGCGACCAACCGGTCCATGACCTACAGGAGGTCACTTCCCGCGCAAGGAGATC 1002
Db 592 TTCCAAAGCGCGACCAACCGGTCCGTCACTTCCAGGAGGTGGCGCTGCCCGTCCGAGCTC 651
QY 1003 ACGGCTTAAGACCGGATGCTCGCGCAA 1028
Db 652 ACGTCCAAGACGGGTGCTCCCGTAA 677

RESULT 3
US-10-007-521-3
; Sequence 3, Application US/10007521
; Publication No. US20030054539A1
; GENERAL INFORMATION:
; APPLICANT: Schulein, Martin
; Andersen, Lene N.
; Lassen, Soren F.
; Kauppinen, Markus S.
; Lange, Lene
; Nielsen, Ruby I.
; Ihara, Michiko
; Takagi, Shinobu
; TITLE OF INVENTION: No. US20030054539A1el Endoglucanases
; NUMBER OF SEQUENCES: 109
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. US20030054539A1o No. US20030054539A1disk of No. US20030054539A1
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/007,521
; FILING DATE: 10-Dec-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/651,136
; FILING DATE: 21-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambiris, Elias J.
; REGISTRATION NUMBER: 33,728
; REFERENCE/DOCKET NUMBER: 4366.200-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 894 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA

FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..891
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-007-521-3
Query Match 26.2%; Score 273.4; DB 9; Length 894;
Best Local Similarity 68.5%; Pred. No. 7e-60;
Matches 427; Conservative 0; Mismatches 181; Indels 15; Gaps 3;
QY 406 GGCACAGCGGTCACTACCGCTACTGGGACTGTGTGCAAGGCTTGTGTGTCGTGGCCCGGC 465
Db 64 GGCATCGGCGACAGCAGCGGTACTGGGACTGTGTGCAAGCGGAGCTGCGCTGGCCCGGC 123
QY 466 AAGGCTAAAGTCAAGCTCGCTCAAGTCTCTCAACAGGACGGGTCAACCGCTCTTAGC 525
Db 124 AAGGG---CCCTGTCTCCGGTGAAGGCTGTGACAGAGACGAAACCGCTCAACGAC 180
QY 526 GACTCCAAAGCCAGTCCGGTGCACAC---GGCGGCAACTCTCTACATGTGCAACGACAAC 582
Db 181 GCGGGCTCAACCGGTTCGGCTGCGAGCGGGCGGCGAGCGCTTACATGTCTCTCCAG 240
QY 583 CAGCCATGSGCTGTCAACGACAACTTGTTCAGGTTTTCGCTGCGCGCTGCCATTAGCGGC 642
Db 241 AGCCCTGCGCGCTCAGCGACGAGCTGTCTACGGCTGGCGCGCTCAAGCTCGCCGCGC 300
QY 643 GGTGGCGAGCGGTGGTGTCTCTCTCTTCAAGCTCACTTCACTTCCACACGAGT 702
Db 301 AGCTCGAGTCCGAGTGTGTCTGCGCTGTCTAGGAGTCACTTCAACAGCGGCGGT 360
QY 703 GCTGGCAAGAGATGCTCCAGGTCAACACACTGGCGGTGACCTTGGCAGCTCGACC 762
Db 361 GCGGGCAAGAGATGATTTGTCAGGCGACCAACACCGGTGGCGACTGGG-----C 411
QY 763 GGTGCCCACTTCGATCTCCAGATGCCCGGGGGGGGTGGGCATCTTCAACGAGATGCTCG 822
Db 412 GACAACCACTTTGACCTGGCCATCCCGGTGGCGGTGTCGGTATTTTCAACGCGCTGCACC 471
QY 823 TCCCACTGGGGCTCCCAACGAGCGGTGGGGTCCGCTACGGCGGCGCATCAGCTCGGC 882
Db 472 GACCACTAGCGGCTCCCGGAGCGGTGGGGGACCGCTACCGCGGCACTTCAATTCAAG 531
QY 883 AGCAGTGTCTGCTCCCTCCCGAGCGCTCCAGAGCGGCTGCAAGTGGGGCTTCAACTGG 942
Db 532 GAAGAGTGGCAATCTTCCCGGAGGCGCTCAAGCGCGGTGCAACTGGCGTTCGACTGG 591
QY 943 TTCAAGAGCGCGACCAACCGGTCCATGACCTACAGGAGGTCACTTCCCGCGCAAGGAGATC 1002
Db 592 TTCCAAAGCGCGACCAACCGGTCCGTCACTTCCAGGAGGTGGCGCTGCCCGTCCGAGCTC 651
QY 1003 ACGGCTTAAGACCGGATGCTCGCG 1025
Db 652 ACGTCCAAGAGCGGTGCTCCCG 674

RESULT 4
US-10-007-521-1
; Sequence 1, Application US/10007521
; Publication No. US20030054539A1
; GENERAL INFORMATION:
; APPLICANT: Schulein, Martin
; Andersen, Lene N.
; Lassen, Soren F.
; Kauppinen, Markus S.
; Lange, Lene
; Nielsen, Ruby I.
; Ihara, Michiko
; Takagi, Shinobu
; TITLE OF INVENTION: No. US20030054539A1el Endoglucanases
; NUMBER OF SEQUENCES: 109
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. US20030054539A1o No. US20030054539A1disk of No. US20030054539A1
; STREET: 405 Lexington Avenue, 64th Floor

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 1132 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 42..971
SEQUENCE DESCRIPTION: SEQ ID NO: 21:
US-10-007-521-21

Query Match 23.6%; Score 246.2; DB 9; Length 1132;
Best Local Similarity 66.0%; Pred. No. 5.4e-53;
Matches 410; Conservative 0; Mismatches 193; Indels 18; Gaps 3;

QY 406 GGCAACGGGCTCACTACCGCTACTGGGACTGCTGCAAGGCTTCGTGCTGGCGCGGC 465
DB 99 GGCAACGGGCGCACCAAGATCTGGGACTGCTGCAAGGCGCTTCGTGCGGGTGGAGAA 158
QY 466 AAGGCTAACGCTCAGCTCGCTGTCAAGTCTGCAACAAAGACGCGCTCAACGCTCTTAGC 525
DB 159 AAGGCTCCGCTAGCCAGCGCTGCAAGCTGCGATAGGAACAACACCTCTCGCGTCC 218
QY 526 GACTTCAACGCCAGTCGCGGTGCAACGGCGGCACTCTTACATGTGCAACGACCAACAG 585
DB 219 ACGGCCACGAGCGCTCGGATTCACAGCGG---TCGCTTACAGCTGCAACGATAACCA 275
QY 586 CCATGGGCTGTCAACGACAACTTGTCTTACGGTTTTCGCTCGCGTGCATTAGCGGGGT 645
DB 276 CCGTGGGCTGTCAACGATACCTGGCTATGGCTATGGTTTGTGCGAGGGCTTTCAGTGGTGA 335
QY 646 GCGAGAGCGCTGTGCTCTCTGCTTCGAGCTACCTTCACTCCACCAAGCGTTGCT 705
DB 336 TCGAGGCGCAGCTGTGCTGCTGTATGCTTCACTTCACTCCGCGCTGTGCG 395
QY 706 GGCAGAGATGCTGCTCCAGGTCAACCACTGGCGGTGACCTTGGCAGCTCGACCGGT 765
DB 396 GGAAGACCACTGCTGCTCCAGTGCACAAACACCGGGCGGACCT-----CAGCGC 446
QY 766 GCCACATTCGATCTCCAGATGCCCGGGCGGCTCGGCATCTTCAACGGATGCTGCTCC 825
DB 447 AACCACTTTGACATCTCATGCGCGGGCGGCTTGGGATCTTCGAGCGCTGCACCCCG 506
QY 826 CAGTGGGGGCTTCCAAACGACGCGTGGGCTGCGGCTACGCGGCGATCAGCTCGCGAGC 885
DB 507 CAATGGGGGCTCAGCTTCCCG-----GAAACCGCTTACGCGGCGCACCAACGCGCGAGC 560
QY 886 GACTGCTTGTCTTCCCGAGGCGCTCCAGCGGCTGCAAGTGGCGCTTCAACTGTTTC 945
DB 561 CAGTGTCTCCAAATTCCTTGGCGCTTCGACCGCGGCTGCAACTGGCGGTACGACTGTTTC 620
QY 946 AAGAACGCCGACCAACCGCTCATGACCTACAAGGAGGTCACTTGCCTCCCAAGGAGATCACC 1005
DB 621 AACGACGCCGACCAACCGAGGTCTCGTGGCGCGCTTCCAGTGGCGCGGCGACTCACC 680
QY 1006 GCTTAAGACCGGATGCTCGCGC 1026
DB 681 GACCGCACCGGCTCGCGCGC 701

RESULT 8

US-10-007-521-13
Sequence 13, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schulein, Martin
Andersen, Lene N.
Lassen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1el Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSER: No. US20030054539A1o No. US20030054539A1disk of No. US20030054
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 913 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 41..706
SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-10-007-521-13

Query Match 23.0%; Score 240.2; DB 9; Length 913;
Best Local Similarity 63.9%; Pred. No. 1.7e-51;
Matches 403; Conservative 0; Mismatches 213; Indels 15; Gaps 2;

QY 409 AACGGCGTCACTACCGCTACTGGGACTGCTGCAAGGCTTCGTGCTCGTGGCCCGGCAAG 468
DB 101 AGCGCGTGACAAACAGGACTGGGACTGCTGCAAGCGCTTGTGCTTGGACGGGCAA 160
QY 469 GCTAAGCTCAGCTCGCTGCTCAAGTCTTGCAACAGGACGGGCTCAACCGCTCTTAGGCAC 528
DB 161 GCATCCGTCTCCAAGCGCGCTCGGAACCTTCGACATCAACGACAAACCCAGACGCGGAGC 220
QY 529 TCCAACGCCAGTTCGGGCTGCAACGGCGGCAACTCTTACATGTGCAACGACCAACCGGAGC 588
DB 221 GATCTGCTCAAGTCTGCTTGTGATGGCGGAGCGGCTTACTTGTGACGACCAACGAGGCCCA 280
QY 589 TGGGCTGTCAACGACAACTTGTCTTACGGTTTCGCTGCGCGCTGCCCTAGCGCGGTGGC 648
DB 281 TGGGCGGTGAACGACAGCGCTTTCCTACGGCTTCGCTGCGCGCAAGCTGTCTCGGAAAGCAG 340

us-09-807-933b-13.rnpb

503 ACAA-----CCACTTCGATCTCATGATGCCCGCGGTGGTGTGTCGGTATCTTTTCGACG 551

815 GATGCTGTGCCAGTGGGCGCTCCCAACGACGGCTGGGCTCGGCTACGGCGGCATCA 874

554 GGTGCACCTCTGAGTTCGG-----CAAGGCTCTTCGGCGGTGCCACGATACGGCGGTATCT 607

875 GCTCCGCGCAGGAGTGTCTGCTGCTCCCTCCCAAGCGCCCTCCAGGCGCGCTGCAAGTGGCGCT 934

608 CTTCCGGAAGGATGTGATAGCTTACCCGAGCTTCTCAAGGACGGTTGCCACTGGCGAT 667

935 TCACTGTTTCAGAAAGCCCGACACCGGTCCTACCTACAGGAGGTCACTGACGGCGCA 994

668 TCGACTGTTTCGAAAGCCCGACACCGCTGACTTTCACCTTTGAGCAGGTTCACTGACGGCGCA 727

995 AGGAGATCAACCGCTAAGACCGGATGCTCGCG 1025

728 AGGCTCTCTCGACATCACTGATGATCAAGCG 758

RESULT 11

US-10-007-521-9

: Sequence 9, Application US/10007521

: Publication No. US20030054539A1

: GENERAL INFORMATION:

: APPLICANT: Schuelein, Martin

: Andersen, Lene N.

: Lassen, Soren F.

: Kauppinen, Markku S.

: Lange, Lene

: Nielsen, Ruby I.

: Ihara, Michiko

: Takagi, Shinobu

: TITLE OF INVENTION: No. US20030054539A1el Endoglucanases

: NUMBER OF SEQUENCES: 109

: CORRESPONDENCE ADDRESS:

: ADDRESSEE: No. US20030054539A1o No. US20030054539A1disk of No. U.

: STREET: 405 Lexington Avenue, 64th Floor

: CITY: New York

: STATE: New York

: COUNTRY: United States of America

: ZIP: 10174-6401

: COMPUTER READABLE FORM:

: MEDIUM TYPE: Floppy disk

: COMPUTER: IBM PC compatible

: OPERATING SYSTEM: PC-DOS/MS-DOS

: SOFTWARE: PatentIn Release #1.0, Version #1.30

: CURRENT APPLICATION DATA:

: APPLICATION NUMBER: US/10/007,521

: FILING DATE: 10-Dec-2001

: CLASSIFICATION: <Unknown>

: PRIOR APPLICATION DATA:

: APPLICATION NUMBER: US/08/651,136

: FILING DATE: 21-MAY-1996

: ATTORNEY/AGENT INFORMATION:

: NAME: Lambiris, Elias J.

: REGISTRATION NUMBER: 33,728

: REFERENCE/DOCKET NUMBER: 4366.200-US

: TELECOMMUNICATION INFORMATION:

: TELEPHONE: 212-867-0123.

: TELEFAX: 212-878-9655

: INFORMATION FOR SEQ ID NO: 9:

: SEQUENCE CHARACTERISTICS:

: LENGTH: 1423 base pairs

: TYPE: nucleic acid

: STRANDEDNESS: single

: TOPOLOGY: linear

: MOLECULE TYPE: cDNA

: FEATURE:

: NAME/KEY: CDS

: LOCATION: 110..1156

: SEQUENCE DESCRIPTION: SEQ ID NO: 9:

US-10-007-521-9

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Query Match      22.2%; Score 231.8; DB 9; Length 1423;
Best Local Similarity 64.2%; Pred. No. 2.4e-49;
Matches 404; Conservative 0; Mismatches 207; Indels 18; Gaps 3;

QY 397 GGGCGTACGGCAAGCGGTCTACTACCGCTACTGGGACTGCTGCAAGGCTTCTGTCTCG 456
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 167 GCGCGCTCGGGCAAGGCAACACCGCTACTGGGATGCTGCAAGACTTCTTGCGCA 226

QY 457 TGGCCGGCAAGGCTAACGTCAGCTCGCTGCTCAAGTCTGCAAGGAGGCGGCTCACC 516
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 227 TGGAGGGCAAGGATCGCTCTCGAGCCTGCTCTGACCTGTAAACAGCAGG--ACAAC 283

QY 517 GCTCTTAGCGACTCCAAAGCGGCTCGGCTGCAAGCGGCGGCAACTCTACATGTGCAAC 576
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 284 CCATCGTCGATGCCAAGCGCAGAGCGGCTGCGAGCGGCGCGGGGCAATTGCTGTACC 343

QY 577 GACAACAGCCATGGGCTGTCAAGCAACACTTGTCTTACGGTTTGGCTGCGGCTGCGCAT 636
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 344 AACAAATTCCTTGGGCGGTGAGCGAGGACCTGGCCCTACGGAATTTGCTGCACAGCCCTC 403

QY 637 AGCGGGGTGGCGAGAGCGCTGCTGCTGCTCTGCTCTGCTGCTGCTGCTGCTGCTGCT 696
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 404 AGCGGGGCACTGAGGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 463

QY 697 AGCTTTGCTGGCAAGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 756
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 464 CCGTGGCTGCGCAAGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 523

QY 757 TCGACCGGTGCCACATTCGATCTCCAGATGCCCGGGCGGCGGCTGCGCATCTTCAACGGA 816
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 524 AA-----CCACTTTGACCTGATGATTTCCCGGTGGAGGCTTCCGCGATCTTTGACGGT 574

QY 817 TGCTGCTGCCAGTGGGCGCTCCCAAGCGGCTGGGCTCGGCTACGCGGCGCATCAGC 876
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 575 TGCTGCGCTCAGTTCGCAACAATCTTTCC-----GGCAGCGTTACGAGGTTTCG 628

QY 877 TCGCCGAGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 936
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 629 TCCCGCTCAATGCGATGCGATGCGCGAGCTCTTGAAGACGGTTGCGAGTGGCGCTTC 688

QY 937 AACTGTTCAAGAACCGCGCAACACCGCTCCATGACCTTCAAGAGGCTCAGCTGCCCAAG 996
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 689 GACTGTTCAAGAACTCAGAACACCTGACATCGAGTTTCAGCAGGTTCCAGTGTGCCAAA 748

QY 997 GAGATCACCCTAAGACCGATGCTCGG 1025
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 749 GAGCTCATTCGCTCTCTGGGTGGTCCG 777

RESULT 12
US-10-007-521-7
; Sequence 7, Application US/10007521
; Publication No. US20030054539A1
; GENERAL INFORMATION:
; APPLICANT: Schulein, Martin
;             Andersen, Lene N.
;             Laesen, Soren F.
;             Kauppinen, Markus S.
;             Lange, Lene
;             Nielsen, Ruby I.
;             Ihara, Michiko
;             Takagi, Shinobu
; TITLE OF INVENTION: No. US20030054539A1el Endoglucanases
; NUMBER OF SEQUENCES: 109
; CORRESPONDENCE ADDRESS:
; ADDRESS: No. US20030054539A1o No. US20030054539A1disk of No. US200300545
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
; APPLICANT: US/10/007,521
; FILING DATE: 10-Dec-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/651,136
; FILING DATE: 21-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambiris, Elias J.
; REFERENCE/DOCKET NUMBER: 4366.200-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1154 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 51..935
; SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-007-521-7

Query Match      20.6%; Score 214.6; DB 9; Length 1154;
Best Local Similarity 62.8%; Pred. No. 5.2e-45;
Matches 391; Conservative 0; Mismatches 214; Indels 18; Gaps 3;

QY 406 GGCAACGGGTCTACTACCGCTACTGGGACTGCTGCAAGGCTTCTGCTGTCGCCCGGC 465
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 108 GGCTCTGTCATACAAACACAGGACTGCGACTGCTGCAAGCCCTCATGCGCTGGGATGAG 167

QY 466 AGGCTTAAGTCACTGCGCTGCTCAAGTCTCTGCAAGGAGCGGCTCAGCGCTCTTAGC 525
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 168 AAGCGGCTGCTGACGCGCGCGGTGCAACATGCGACAGGAACAACGCCCTTTCCGCC 227

QY 526 GACTCCAAAGCGCGCTGCGCTGCAACGCGGCAACTCTCATGTGCAACGACAACACAG 585
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 228 GGGCTGTGAGCGGCTGCGACCCCAACGCGG---TTGCATTCACTTGCACGACGACACAG 284

QY 586 CCATGGGCTGTCAACGACAACCTTGTCTTACGGTTTCGCTGCGCTGCCATTAGCGGCGGT 645
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 285 CCTTGGCGGTAAACAAACAATGTCGCTACCGGTTTGGCGCTACCGCTTCCCTGGTGGC 344

QY 646 GCGGAGAGCGGCTGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 705
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 345 AATGAGGCGTGTGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 404

QY 706 GGCAAGAAAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 765
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 405 GGCAAGACGATGTTGTGCAATCCCAACACATGCGCGGAGATCT-----CAGCGGC 455

QY 766 GCCACTTGCATCTCCAGATGCCCGCGGCGGCTGCGCATCTTTCAACGAGATCTCGTCC 825
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 456 ACTCACTTCGATATCCAGATGCCCGGCTGCGGATCTTCGGCATCTTTCGACGCGCTGCA 515

QY 826 CAGTGGGGGCTCCCAACGACGCGTGGGCTCGCGCTACGCGGCGCATCAGCTCCGCCAGC 885
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 516 CAGTTCCGTTTCAAGTTCCTCC-----GGCAACCGCTACGCGGCTACCAAGCGCGCAGC 569

QY 886 GACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 945
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 570 CAGTGGCGTGAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 629

QY 946 AAGAACGCTGACAAACCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1005
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 630 AACGATGCGCAACAAACCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 689
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Job time : 1344 secs